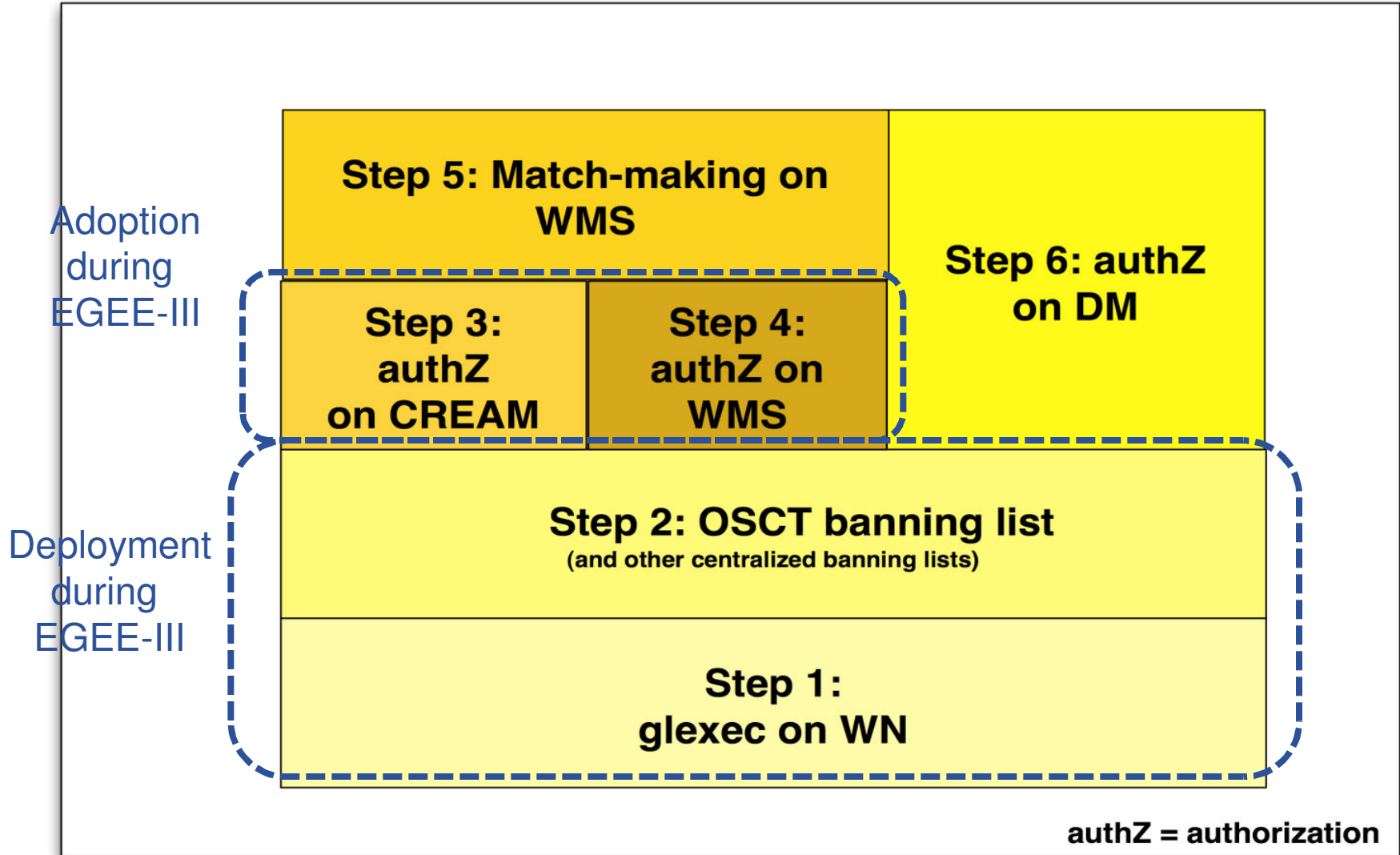# **Argus** *gLite Authorization Service*
Workplan

JRA1/SA3 All Hands Meeting, 15-16 December 2009

Valery Tschopp, SWITCH
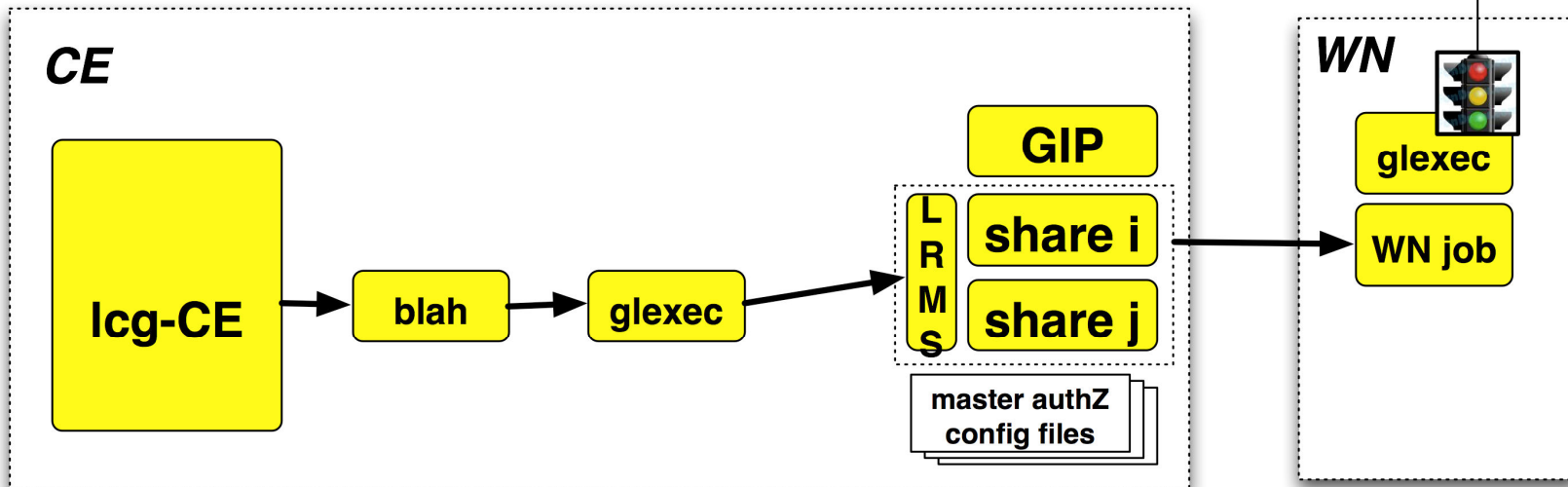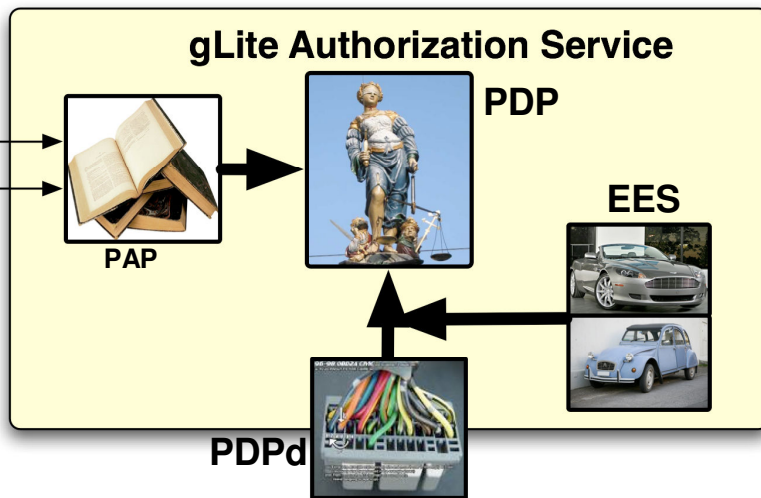*valery.tschopp@switch.ch*

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Enabling Grids for E-sciencE

Adoption during EGEE-III

Deployment during EGEE-III

Step 5: Match-making on WMS

Step 6: authZ on DM

Step 3: authZ on CREAM

Step 4: authZ on WMS

Step 2: OSCT banning list
(and other centralized banning lists)

Step 1: glexec on WN

authZ = authorization

Enabling Grids for E-sciencE

OSCT global banning list

gLite Authorization Service

PAP

PDP

EES

PDPd

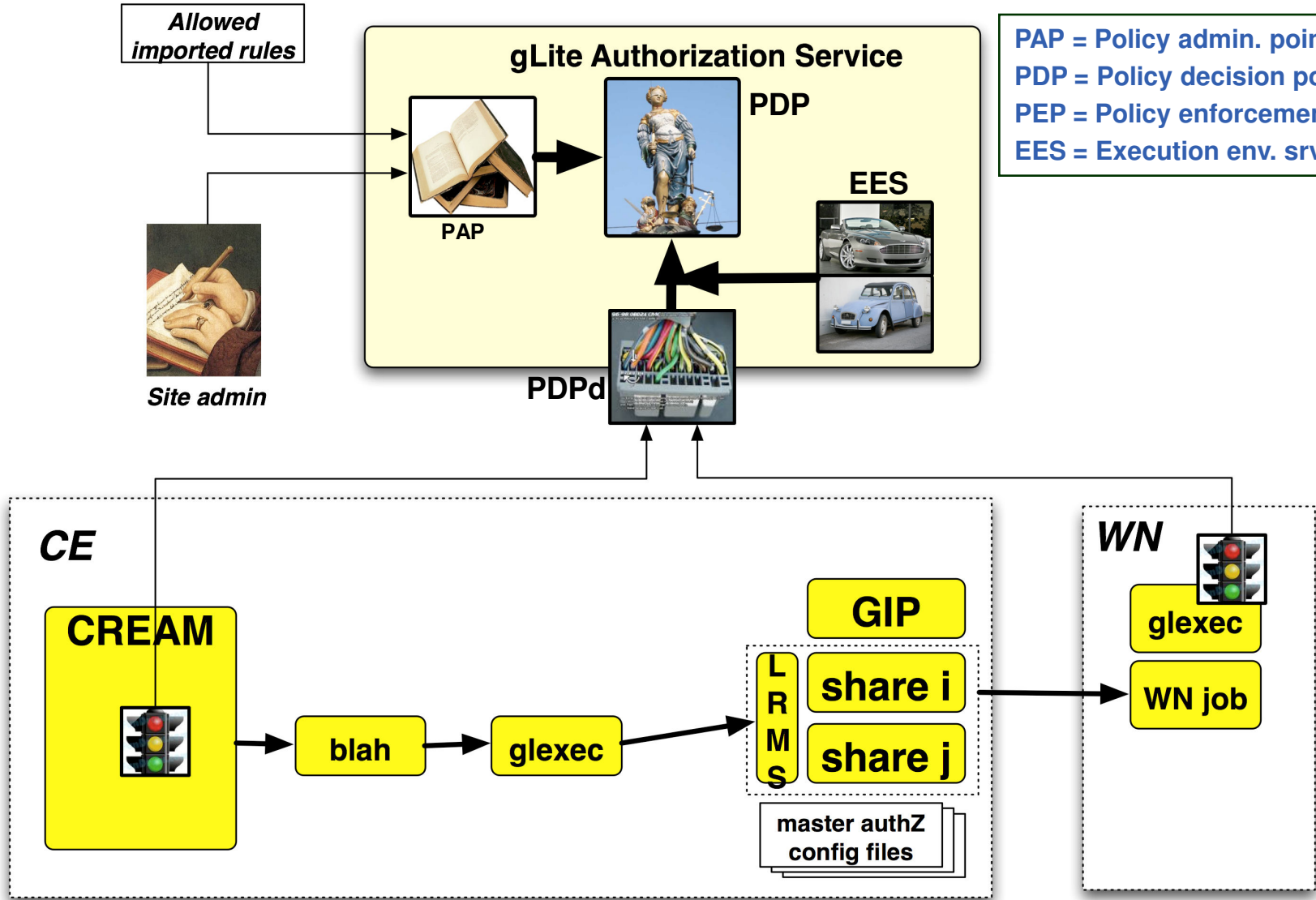*Site admin*

PAP = Policy admin. point
PDP = Policy decision point
PEP = Policy enforcement point
EES = Execution env. srv

CE

lcg-CE → blah → glexec → **LRMS**

GIP

share i

share j

master authZ config files

WN

glexec

WN job

Enabling Grids for E-sciencE

- **Argus service:**
  - glite-ARGUS 1.0 (#3076) certified -> pilot phase
  - glite-ARGUS 1.1 (#3536) should be certified by January 2010
- **glexec WN:**
  - LCMAPS Argus PEP client plug-in (#3093) certified
- **GridFTP/Gatekeeper:**
  - GSI Argus PEP client plug-in (#3284) ready for certification
- **CREAM CE:**
  - Phase 1: re-factoring authorization mechanism: done
    - *Reduction in number of authorization steps in CREAM*
  - Phase 2: integration of Argus: Q1 2010
  - Planned release for Q2 2010
- **WMS:**
  - Initial talks, timeline to be determined
- **Data Management:**
  - Initial talks with DPM, dCache and StoRM
    - Will interface to Argus once deployment guaranteed

Enabling Grids for E-sciencE

glite-ARGUS release 1.1 (#3536)

- **TLS/SSL client authentication**
  - Authenticated call to PEPd from PEP clients
- **Only XACML Subject cert-chain allowed**
  - Certificate and proxy validation
  - FQAN, Subject, … extracted only from certificate/proxy
  - Still available in debug mode (for admin to test policies)
- **Mapping obligations defined in policies**
  - Policy driven user mapping
- **Decision caching**
  - Command line to refresh PDP or PEPd caches
- **Minor bug fixes**

glexec WN

- **LCMAPS Argus PEP client plug-in**
  - New patch for PEPd client authentication (YAIM configuration) required?

Enabling Grids for E-sciencE

- **Argus Wiki:**
  - https://twiki.cern.ch/twiki/bin/view/EGEE/AuthorizationFramework

- **About the service:**
  - authZ service design document:
    - *https://edms.cern.ch/document/944192/1*
  - Deployment plan:
    - *https://edms.cern.ch/document/984088/1*
  - Testing plan:
    - *https://edms.cern.ch/document/986067/1*
- **General EGEE grid security:**
  - Authorization study:
    - *https://edms.cern.ch/document/887174/1*
  - gLite security: architecture:
    - *https://edms.cern.ch/document/935451/2*
- **EGEE09 presentations:**
    - http://indico.cern.ch/sessionDisplay.py?sessionId=26&slotId=0&confId=55893
    - http://indico.cern.ch/sessionDisplay.py?sessionId=33&slotId=0&confId=55893